

# SMUG

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## THIS MONTH:

- SNUG needs you!
- Whats New With The Expo
- Next Years Expo Could It Be You?
- Presidents Message
- And Other Great Things

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NEXT MEETING DATE: 4/04/90

Send all contributions by the  
3rd Wednesday of the month to:

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Editor  
SMUG BYTES  
5052 N. 91st Street  
Milwaukee WI 53225

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\*Meeting 3rd Wednesday of month  
- 251 5291

\*Spectrum - R. Hilsmann

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- 251 5291

## Speakers Needed For The Expo. How About You?

We also have some other news for you attendees! Zebra will be at the fest, at least in spirit, as they have purchased 4 tables and SMUG will be selling there inventory of Sinclair books, software and hardware. So come prepared for many bargains and good buys. There is also a possibility of other dealers doing the same thing. Come early and stay late to get that book or program that you always wanted but couldn't find. Stu will be unable to attend but SMUG will try to make up for the loss of his bubbling spirit and Sinclair knowledge. Also it looks like Mike Hammer will be attending and doing Sinclair repairs while you wait. We have some other goodies in store for you like a swap area for you to swap your unused items for cash or ?.

# "SG" NOTES

BY R.A.HILSMANN

As promised, the continuation of the Checkbook & Budget Manager listing. There are only a few lines left for next month's issue of this News-Letter. Have fun!

```
2090 GO SUB BP: PRINT AT 8,0;"To
edit previous ENTRY enter ""*""
": PRINT AT 18,0;E$(X, TO 4): IN
PUT "DATE >"; LINE E$(X,5 TO 9):
IF E$(X,5)="*" THEN GO TO VAL "
2060-F*10"
2110 PRINT AT 18,5;E$(X,5 TO 9):
GO SUB BP
2120 INPUT "DESCRIPTION >"; LINE
E$(X,T TO 21): IF E$(X,T)="*" T
HEN GO TO 2090
2140 GO SUB BP: PRINT AT 18,11;E
$(X,10 TO 21): INPUT "AMOUNT >";
LINE D$: IF D$(1)="*" THEN GO T
O 2120
2150 LET G=VAL D$: GO SUB GE: PR
INT AT 18,23;M$: LET E$(X,22 TO
30)=M$: LET I=G: GO SUB BP: GO S
UB 170: GO SUB BP: PRINT #0;AT 1
,0;"↑ CONFIRM ↑": PAUSE 0: IF IN
KEY$="1" THEN GO SUB LO: PRINT A
T 18,0;B$: GO TO VAL "2060-F*10"
2170 GO SUB BP: LET D$=E$(X,5 TO
9): IF INKEY$="*" THEN GO TO 21
40
2180 IF NOT F THEN LET Z=1: LET
N=24: LET E$(1,4 TO 7)=E$(X, TO
4): GO SUB AC
2190 IF F THEN LET Z=25: LET N=2
8: LET E$(1,8 TO 9)=E$(X, TO 2):
GO SUB AC
2200 LET U=0: PRINT AT 20,0;"Ent
er > = to view account status":
GO SUB BP: INPUT "CATEGORY >";A$
: IF A$="" THEN LET U=1: INPUT
"CATEGORY TO VIEW >";A$
2205 IF A$="" THEN GO TO 2360
2210 PRINT AT 20,0;B$: IF NOT U
THEN LET E$(X,40)=A$
2220 IF D$(2)="/" THEN GO TO 224
0
2230 LET B=VAL D$(1 TO 2): GO TO
2250
2240 LET B=VAL D$(1)
2250 FOR /1 TO 28: IF A$=T$(L,3)
THEN IF U=1 THEN GO TO 2290
2270 IF A$=T$(L,3) THEN IF NOT U
THEN LET O(L)=O(L)+I: GO TO 229
0
2280 NEXT : IF L>28 THEN GO TO 2
360
2290 LET P=((VAL T$(L,24 TO ))/1
2)+B: PRINT AT 0,0;B$;B$;B$;B$;B
$;B$;B$;B$;B$;B$: IF O(L)>
P THEN PRINT AT 6,28;"OVER"
2300 LET G=VAL T$(L,24 TO )/12:
GO SUB GE: PRINT AT 1,1;T$(L, TO
21)" YEARLY BUDGET: ";T$(L,23
TO )" MONTHLY BUDGET: ";M$: LE
T G=P-O(L): GO SUB GE: DIM G$(12
,3): RESTORE 2310: FOR K=1 TO B:
READ G$(K, TO 3): NEXT K
```

```
2310 DATA "JAN","FEB","MAR","APR
","MAY","JUN","JUL","AUG","SEP",
"OCT","NOV","DEC": PRINT AT 6,1:
"BALANCE FOR ";G$(B);" ";M$: LE
T G=(VAL T$(L,24 TO ))-O(L): GO
SUB GE: IF O(L)>VAL T$(L,24 TO )
THEN PRINT AT 8,28;"OVER"
2320 PRINT AT 8,1;"BALANCE FOR Y
EAR:";M$;AT T,0: GO SUB KY: GO
SUB 120: IF FG THEN RETURN
2330 PAUSE 7E2: IF NOT V THEN LE
T E$(X,41)="0"
2340 IF U THEN GO TO 2200
2350 LET G=C
2360 IF NOT F THEN LET C=C-I
2370 IF F THEN LET C=C+I
2380 IF I>0 AND C=G THEN GO TO 2
360
2390 LET G=C: GO SUB GE: PRINT A
T 19,0;B$;B$;B$;B$;B$: LET E$(X,31
TO 39)=M$: NEXT X: CLS : PRINT
FLASH 1;AT T,0;"REGISTER FULL":
FOR /1 TO T: BEEP .01,35: NEXT :
PAUSE 200: GO TO MENU
3000 CLS : LET F=1: GO SUB DL: G
O TO 2005
4000 CLS : LET G=0: LET U=0: LET
F$="": GO SUB DL: PRINT AT T,0;
"PRESS ""C"" TO LIST SPECIAL""
CATEGORY OR FOR SEARCH""""ANY
KEY TO LIST REGISTER": GO SUB BP
: PAUSE 0: IF INKEY$="C" THEN GO
TO 4070
4010 DIM C$(4): CLS : GO SUB BP:
PRINT AT T,0;"FROM WHICH CHECK
NUMBER DO YOU WISH LISTING TO B
EGIN ? """"PRESS <ENTER> TO LI
ST FROM""""BEGINNING OF FILE."": I
NPUT C$: LET L=VAL "2": LET U=L:
CLS : GO SUB BP: GO SUB LS: GO
SUB BP: CLS : IF C$="" THEN
GO SUB ZO: PRINT #0;"STARTING
BALANCE";TAB 23;E$(1,30 TO 38)"
: GO TO 4040
4020 CLS : PRINT AT 0,VAL "6";"0
ne moment please": FOR /2 TO X-1
: IF E$(L, TO 4)=C$ THEN CLS : G
O SUB ZO: GO TO VAL "4040"
4030 NEXT : GO TO MENU
4040 FOR /L TO X-1: PRINT #0;E$(
L, TO 4);TAB 5;E$(L,5 TO 9);TAB
11;E$(L,10 TO 21);TAB 23;E$(L,22
TO 30);TAB 23;E$(L,31 TO 39): I
F L=X-1 THEN GO TO 4060
4045 IF INKEY$="0" THEN GO TO ME
NU
4050 NEXT : GO TO MENU
4060 PRINT "END OF RECORD
": GO SUB BP: PAUSE
0: GO TO MENU
4070 GO SUB DL: CLS : PRINT AT 8
,0;"WOULD YOU LIKE TO :"""" 1)
LIST ENTRIES BY MONTH"""" 2) LIS
T ENTRIES BY DATE"""" 3) LIST AN
ENTRY BY NUMBER"""" 4) LIST ENT
RIES BY DESCRIPTION"""" 5) LIST
ENTRIES BY CATEGORY": PAUSE 0: L
ET K=CODE INKEY$-48: IF K>5 OR K
<1 THEN GO TO 4070
4080 GO TO 4E3+(K*100)
4100 GO SUB BP: CLS : LET U=1: I
NPUT "ENTER MONTH TO BE LISTED";
AT 5,0;"1 TO 12 ";F$: GO TO 4600
```

```

4200 CLS : DIM C$(5): GO SUB BP:
INPUT "ENTER DATE TO BE LISTED",
AT 5,0;"MONTH/DATE <6/21>";C$:
LET V=2: GO TO 4600
4300 CLS : DIM C$(4): GO SUB BP:
INPUT "ENTER CHECK OR DEPOSIT N
UMBER",AT 5,0;C$: LET V=3: GO TO
4600
4400 CLS : DIM C$(12): GO SUB BP:
INPUT "ENTER SOURCE OR NAME OF
DEPOSIT OR CHECK TO BE LISTED";
AT 5,0;C$: LET V=4: GO TO 4600
4500 CLS : GO SUB DL: LET F=0: L
ET Z=1: LET N=28: GO SUB AC: INP
UT "ENTER LETTER IN FRONT OF""C
ATEGORY TO BE LISTED";AT 5,0;F$:
LET V=5
4600 LET U=2: GO SUB L3: LET J=0
: LET H=0: CLS : PRINT AT 0,11;"
SEARCHING": FOR /2 TO X-1: IF U=
1 THEN IF E$(L,5 TO 4+LEN F$)=F$
THEN GO TO 4660
4610 IF U=2 THEN IF E$(L,5 TO 9)
=C$ THEN GO TO 4660
4620 IF U=3 THEN IF E$(L, TO 4)=
C$ THEN GO TO 4660
4630 IF U=4 THEN IF E$(L,T TO 21
)=C$ THEN GO TO 4660
4640 IF U=5 THEN IF E$(L,40)=F$
THEN GO TO 4660
4650 GO TO 4680
4660 PRINT #U;E$(L, TO 4);TAB 5;
E$(L,5 TO 9);TAB 11;E$(L,10 TO 2
1);TAB 23;E$(L,22 TO 30): LET I=
VAL E$(L,23 TO 30): IF E$(L,3 TO
4)=" " THEN LET J=J+I: GO TO 4
680
4670 LET H=H+I
4680 NEXT : IF U=3 THEN PRINT "
": GO TO VAL "4710"
4700 LET G=H: GO SUB GE: PRINT #
U;TAB VAL "24";"": PRINT
#U;TAB VAL "8";"TOTAL CHECKS";T
AB VAL "23";M$: LET G=J: GO SUB
GE: PRINT #U;TAB VAL "8";"TOTAL
DEPOSITS";TAB VAL "23";M$: PRINT
#U;"INVERSE VAL "1";"": E
ND OF LISTING
4710 GO SUB BP: PRINT " TO LIST
MORE ITEMS PRESS ""C"""""" TO R
ETURN TO MENU PRESS ""M""""": PAUS
E 0: IF INKEY$="C" THEN GO TO VA
L "4070"
4720 GO TO MENU
5000 CLS : GO SUB DL: PRINT AT T
0;"HAVE YOU DEDUCTED ALL BANK""
CHARGES AND AUTOMATIC PAYMENTS
?" "PRESS""X"" TO EXIT""ANY KE
Y TO CONTINUE ": PAUSE 0: IF INK
EY$="X" THEN GO TO MENU
5005 PAPER 2: CLS : LET A=0: LET
P=0: LET B=0: LET F=0: LET I=0:
LET H=0: LET N=0: LET Q=0: GO S
UB BP: PAPER 3: PRINT AT 0,0;"CH
ECK OF ALL WITHDRAWALS AND DE
POSITS ON YOUR BANK STATEMENT,AN
D PRESS ""1"" (ONE) FOR EACH
APPEARING ON BOTH THE STATEMENT
AND BELOW. PRESS ""0"" (ZERO) F
OR LISTINGS NOT APPEARING ON T
HE BANK STATEMENT",B$;B$;"
PRESS ""X"" TO EXIT "": G
O SUB LI: PRINT AT 17,0;B$;B$;B$
;B$;B$: PAPER 2: PRINT AT 16,0;
GO SUB LI: PAPER 3: FOR /2 TO X
-1: IF E$(L,41)="1" THEN PRINT A
T 19,0;"one moment please"

```

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5010 IF E$(L,41)="0" OR E$(L,41)
=" " THEN GO TO 5030
5020 NEXT
5030 PRINT AT 19,0;B$: FOR /L TO
X-1: IF E$(L,41)="0" OR E$(L,41)
=" " THEN BEEP .03,35: PRINT AT
19,0;E$(L, TO 4);AT 19,5;E$(L,5
TO 9);AT 19,11;E$(L,10 TO 21);A
T 19,23;E$(L,22 TO 30): GO TO 50
50
5040 GO TO 5140
5050 PRINT #0,AT 1,0;"ENTER 1 OR
0 OR X": IF X=2 THEN PRINT AT 1
9,0;"no entries found": PAUSE 0:
GO TO MENU
5060 PAUSE 0: LET F=CODE INKEY$-
48: IF INKEY$="X" THEN GO TO MEN
U
5065 IF F>1 OR F<0 THEN GO TO VA
L "5060"
5070 LET U=VAL E$(L, TO 4): IF F
THEN LET E$(L,41)="1"
5080 IF F THEN IF U>99 THEN LET
A=A+VAL E$(L,23 TO 30)
5090 IF F THEN IF U<100 THEN LET
I=I+VAL E$(L,23 TO 30)
5100 IF NOT F THEN IF U>99 THEN
LET P=P+VAL E$(L,23 TO 30)
5110 IF NOT F THEN IF U<100 THEN
LET H=H+VAL E$(L,23 TO 30)
5120 IF F>1 OR F<0 THEN GO TO 50
60
5130 PRINT AT 17,0;B$;AT 19,0;B$
;AT 18,0;E$(L, TO 4);AT 18,5;E$(
L,5 TO 9);AT 18,11;E$(L,10 TO 21
);AT 18,23;E$(L,22 TO 30): PRINT
AT 18,0;B$;AT 17,0;E$(L, TO 4);
AT 17,5;E$(L,5 TO 9);AT 17,11;E$
(L,10 TO 21);AT 17,23;E$(L,22 TO
30)
5140 NEXT : GO SUB BP: CLS : PRI
NT : INPUT "ENTER BANK STATEMENT
BALANCE OR 'X' TO EXIT";AT 4
,0;K$: IF K$="X" THEN GO TO MENU
5160 LET B=VAL K$: LET V=B+H: LE
T N=A+P: LET Q=I+H: LET F=V-P: L
ET G=B: GO SUB GE: CLS : GO SUB
DL: PRINT "STATEMENT BALANCE
";M$: LET G=H: GO SUB GE: PRIN
T "DEPOSITS MADE AND NOT ""SHO
WN ON STATEMENT";TAB 23;M$: LET
G=V: GO SUB GE: PRINT TAB VAL "2
4";"TOTAL ";M$: LET
G=P: GO SUB GE: PRINT "TOTAL CH
ECKS NOT SHOWN""ON BANK STATEME
NT";TAB VAL "23";M$;TAB VAL "24"
;"": LET G=F: GO SUB GE:
PRINT "CORRECT ACCOUNT BALANCE
";M$
5170 LET G=Q: GO SUB GE: PRINT "
COMPUTER BALANCE";TAB VAL "23";M
$: LET G=C-F: LET G=ABS G: GO SU
B GE: PRINT "DIFFERENCE";TAB VAL
"23";M$: LET G=0: GO SUB GE: PR
INT "TOTAL DEPOSITS";TAB VAL "2
3";M$: LET G=N: GO SUB GE: PRINT
"TOTAL WITHDRAWALS";TAB VAL "23
";M$: GO SUB BP: PRINT " FOR P
RINTOUT PRESS ""P""""": GO SUB Z
E: PAUSE 0: IF INKEY$="P" THEN C
OPY
5180 GO TO MENU

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6000 CLS : GO SUB DL: PRINT AT 3
,0;"WOULD YOU LIKE TO ";AT 5,0;"
1) CLEAR ALL DATA ?";AT 7,0;"2)
CLEAR CHECK-DATA, BUT KEEP
BUDGET-ACCOUNTS INTACT ?";AT 10,
0;"3) RESET AMOUNTS SPENT TO ""0
""": GO SUB BP: PRINT AT 15,0;"
GO SUB ZE: PAUSE 0: IF INKEY$="0
" THEN GO TO MENU
6010 IF INKEY$="1" THEN CLEAR
LET K=1: GO TO 20
6020 IF INKEY$="2" THEN LET F=1:
CLS : GO SUB S0: LET F=0: GO TO
MENU
6030 IF INKEY$="3" THEN DIM O(26
): GO TO MENU
6040 GO TO 6000
7000 CLS : GO SUB BP: LET FL=0:
LET F=0: PRINT AT T,F;"ARE YOU S
AVING OR LOADING DATA ?""""""S"
" FOR SAVING; ""L"" FOR LOADING"
: PAUSE 0: IF INKEY$="S" THEN LE
T F=SGN PI
7010 CLS : PRINT AT T,0;"ARE YOU
LOADING OR SAVING"
7012 GO SUB DL: PRINT AT 12,0;"
TO """"TAPE""", "press <T>" "DISK"
, "press <D>" "MICRO-DRIVE", "pres
s <M>": IF NOT F THEN PRINT AT 1
2,0;"FROM:"
7015 PAUSE 0: LET Q$=INKEY$
7020 CLS : GO SUB BP: PRINT AT T
,0;"INSERT DISK, CARTRIDGE OR TAP
E": IF FL THEN PRINT "" AND PRE
SS ENTER WHEN READY": PAUSE 0: G
O TO VAL "7024"
7022 PRINT """"WHICH DRIVE ARE
YOU USING TO """" LOAD OR SAVE Y
OUR DATA <1-2-?>": PAUSE 0: LET
V=CODE INKEY$-48: LET /D=V-1
7023 GO SUB BP: INPUT "ENTER FIL
E NAME OR TOKEN CAT TO CATALOG D
ISK-FILES",AT T,0;N$: IF N$="" CA
T " THEN CAT : GO TO 7023
7024 CLS : IF Q$="D" OR Q$="M" T
HEN GO SUB BP: CLS : IF FL THEN
RETURN
7030 IF F THEN GO TO VAL "7030"
7040 CLS : GO SUB BP: PRINT AT 1
0,6;"LOADING DATA """: IF Q$="T"
THEN GO TO VAL "7150"
7050 IF Q$="D" THEN GO TO VAL "7
170"
7060 IF Q$="M" THEN GO TO VAL "7
190"
7070 LET X=VAL E$(1,1 TO 3): LET
C=VAL E$(1,10 TO 17): LET Q$=E$
(1,18 TO 25): LET D=VAL E$(1,26
TO 29): CLS : GO TO MENU
7080 CLS : GO SUB BP: PRINT AT T
,0;"PREPARE TAPE OR DRIVE THEN "
;"PRESS ENTER": PAUSE 0: LET E$
(1,1 TO 3)=STR$ X: LET E$(1,10 T
O 17)=STR$ C: LET E$(1,18 TO 25)
=I$: LET E$(1,26 TO 29)=STR$ D:
LET G=(PEEK 23631+255*PEEK 23632
)+2: LET K=181: IF Q$="M" OR Q$=
"D" THEN CLS
7090 IF Q$="M" THEN CLS : PRINT
AT T,0;"ERASING OLD DATA ": GO S
UB DL
7100 IF Q$="M" THEN ERASE "M";U;
N$: PRINT "" DATA ""N$;" ERASED"
: GO SUB BP: ERASE "M";U;"BUD.AC
C": PRINT "BUD.ACC DATA ERASED":
GO SUB BP: ERASE "M";U;"SPENT":
PRINT " DATA SPENT ERASED": GO
SUB BP: PAUSE 20

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7110 CLS : IF Q$="T" THEN GO TO
VAL "7160"
7120 IF Q$="D" THEN GO TO VAL "7
180"
7130 IF Q$="M" THEN GO TO VAL "7
200"
7140 GO TO VAL "7110"
7150 RESTORE VAL "7210": LOAD N$
DATA E$(): GO SUB BP: READ Q$:
PRINT Q$': LOAD N$+"BUD" DATA T
$(): GO SUB BP: READ Q$: PRINT Q
$': LOAD N$+"SPENT" DATA O(): G
O SUB BP: READ Q$: PRINT Q$': G
O TO VAL "7070"
7160 RESTORE VAL "7220": GO SUB
BP: READ Q$: PRINT Q$': SAVE N$
DATA E$(): GO SUB BP: READ Q$:
PRINT Q$': POKE G,K: SAVE N$+"B
UD" DATA T$(): GO SUB BP: READ Q
$: PRINT Q$': POKE G,K: SAVE N$
+"SPENT" DATA O(): GO SUB BP: RE
AD Q$: PRINT Q$': CLS : PRINT A
T VAL "2",INT PI;"VERIFYING DATA
""""REWIND TAPE": VERIFY N$ DAT
A E$(): GO SUB BP: VERIFY N$+"BU
D" DATA T$(): GO SUB BP: VERIFY
N$+"SPENT" DATA O(): GO SUB BP:
PRINT "" DATA VERIFIED": PAUSE
VAL "50": GO TO MENU
7170 RESTORE VAL "7210": LOAD /N
$ DATA E$(): GO SUB BP: READ Q$:
PRINT Q$': LOAD /N$+"BUD" DATA
T$(): GO SUB BP: READ Q$: PRINT
Q$': LOAD /N$+"SPEN" DATA O():
GO SUB BP: READ Q$: PRINT Q$':
GO SUB VAL "80": GO TO VAL "707
0"
7180 RESTORE VAL "7220": GO SUB
BP: READ Q$: PRINT ""Q$': SAVE
/N$ DATA E$(): GO SUB BP: READ
Q$: PRINT Q$': SAVE /N$+"BUD"
DATA T$(): GO SUB BP: READ Q$: P
RINT Q$': SAVE /N$+"SPENT" DAT
A O(): PAUSE VAL "50": CLS : IF
NOT FL THEN GO SUB BP: PRINT "BA
CKUP COPY (Y/N)": PAUSE 0: IF IN
KEY$="Y" THEN LET FL=SGN PI: PRI
NT AT T,0;"BACKUP": GO SUB VAL "
7012": GO TO VAL "7180"
7185 GO TO MENU
7190 RESTORE 8020: LOAD *M";U;N
$ DATA E$(): READ Q$: PRINT Q$'
: GO SUB BP: LOAD *M";U;"BUD.AC
C" DATA T$(): READ Q$: PRINT Q$'
: GO SUB BP: LOAD *M";U;"SPENT
" DATA O(): READ Q$: PRINT Q$':
GO TO 7070
7200 RESTORE 7220: READ Q$: PRIN
T Q$': GO SUB BP: SAVE *M";U;N
$ DATA E$(): READ Q$: PRINT Q$'
: GO SUB BP: SAVE *M";U;"BUD.AC
C" DATA T$(): READ Q$: PRINT Q$'
: GO SUB BP: SAVE *M";U;"SPENT
" DATA O(): CLS : GO SUB BP: PRI
NT AT 2,3;"VERIFYING DATA ": GO
SUB BP: GO SUB BP: VERIFY *M";
U;N$ DATA E$(): PRINT "" DATA
IN$;" VERIFIED": GO SUB BP: VERI
FY *M";U;"BUD.ACC" DATA T$(): P
RINT "BUD.ACC DATA VERIFIED": G
O SUB BP: VERIFY *M";U;"SPENT"
DATA O(): PRINT "" DATA SPENT V
ERIFIED": GO SUB BP: PAUSE VAL "
50": GO TO MENU
7210 DATA "CHECK REGISTER LOADED
","BUDGET ACCOUNTS LOADED"," DAT
A SPENT LOADED"
7220 DATA "SAVING CHECKING DATA
","SAVING BUDGET DATA ","SAVING
DATA 'SPENT'"
7300 GO SUB 7020: RETURN
9999 REM End, complete program!!

```

## IS THIS IT?

I just received my UPDATES magazine and when reading the editor's notes I was shocked to see Bill is going to drop publishing the magazine. This, apparently, is our last national Sinclair only publication. I have not seen a Time Designs since the Caps fest in May of 89 and although have heard of a smaller magazine from Tim I have not seen it. But back to the main idea of "Is This It?". With Bill Jones's last issue in July we will be just another group of computer nuts with no linking thread. SNUG is there and trying but they need some form of communications. Bill did offer his magazine to them but they need someone to run it. A volunteer group, and that is all SNUG is, can't do it without help. We, myself included, have complained but not helped. I thought just the club paying its dues was enough. Well its not! We must help if we want to continue to survive. So don't just sit there volunteer. Your user group can use help, so can SNUG and so does you Sinclair Dealer. Your User Group can use help in running the show. SNUG can use help in producing a newsletter for the whole Sinclair community. The vendor, of course, needs buyers not copiers. Maybe if enough people write to Bill, and can either renew or subscribe to the magazine, not just read your friends copy and the friend not loan it, Bill would continue publishing one of the best magazines yet. Well I am going to get off my high horse and mention that I have, for SMUG, created and still creating a name and address data base. I will open this up to anyone in SNUG and hope you will help me by sending names, addresses and phone numbers of Sinclair enthusiasts either in your group or that you know. Please be sure they would not mind being added to the list. This list would be used for SNUG and things connected with Sinclair.

SMUG and I will maintain it for them.

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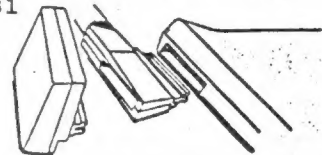
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## The Digitizer and What's Happening

Well SMUG will be demoing both the board and John McMichaels' software for printing the pictures, at the Expo. We will have the boards there for sale. We will only have the bare board but we will take orders for those who want fully populated boards.

I got a call on the 20th from Bill Ferrebee. He was calling to tell me he is going to write TS articles for the new computer magazine, Computer Buyers Guide. They are picking up with the classic computers since Computer Shopper has dropped us. Bill is going to do a write up on the digitizer and needs one to use.

For anyone who is not sure of the price the bare board costs \$19.95 plus \$3 for shipping and handling. The fully populated board costs \$49.95 plus \$3 for shipping and handling. If you want a feed thru connector add \$5. The feedthru is not necessary if you use a motherboard. But is necessary if you want to connect to the TS2068 Back bus.

## PRESIDENTS MESSAGE

There is a new magazine out called Computer Buyers Guide. It is taking over for Computer Shopper with the classic computer section. If you want to contact them call 1-800-366-0676 P.O. Box 55886, Birmingham, AL 35255. Now for the swaps coming up: Sun April 8, 1990, Expo Center, Madison WI, \$4 at door + parking.; Sat., May 5, 1990, Circle B Rec Center, Cedarburg WI \$3 at door. June 2-3, 1990, Sinclair Expo Waukesha Holiday Inn, Waukesha WI.

One other note on the Expo. If you are flying in and need a ride to the Expo please call us with your flight and we will try to arrange transportation. We will get you to and from the airport and the motel.

\*\*\*\*\*

FOR THOSE OF YOU WHO MAY HAVE MISSED IT!

(AND THOSE WHO WERE THERE!)

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ANNOUNCES

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## The Expo From The North & West

First of all for you coming thru Chicago; if you miss the turnoff the next one is highway 164, exit 295, labeled Waukesha - Sussex. You can exit there, turn around and go back east. Use the following directions to find the east bound exit.

For those of you coming thru the Madison area and points north and west please follow these directions to the Expo.

Following I94 east towards Milwaukee:

The exit just prior to the one to use is 295, highway 164.

This exit is approximately 2 miles west of the Expo exit.

The exit you want is number 297, highway 18 & JJ, labeled Bluemound Road & Waukesha. Also there is a sign for the State Patrol cop shop. Take exit 297. Stay to the left after exiting. This will be highway 18 & JJ, labeled Bluemound road & Waukesha. After taking the left road stay to the right as you have to take the first right. (It will have stop lights.) Follow this road,

Klassow, to the Holiday Inn. If anyone

has a problem finding it please call the Inn for directions and don't forget to look for the SMUG signs. See you in Milwaukee.

## G I G O Or In Otherwords The Meeting

The T shirt logo has been decided upon and it is a good one. The theme will be "Family Reunion". Come to the April meeting to see the finished product. I have got the T shirts for the fest and once the design is finished and put into Gordy's Computer we will start printing our T shirts. We still need help at the expo for registration, sales and demo's. If you can give a few hours of your time the club and the expo would appreciate it.

If any of you have those plastic bags you get from a grocery store would you please save them for the expo. We plan to give one to each attendee with a couple of giveaways. If we don't have to buy them we can use the money for something else.

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the ULTIMATE  
TS2068 printer?



USE W/AERCO PRINTER I/F? Yes, if  
an IBM parallel Plug 'n Print cartridge is used.

OKI 20 FEATURES? The OKI 20 can print in  
NLB, draft, pica, elite, fine, double width, italics, sub/  
superscript, & underline. Plain or thermal paper (tractor/  
friction feed) or acetate transparencies can be used.

COLOR SCREENS HARD-COPY? Yes!!  
"COLOR COPY" supports FULL COLOR and b/w SCREENS dumps &  
"PAINT & COPY" features HI-RES MODE coloring and copying.

CUSTOM CHARACTER SETS? Yes, downline  
loadable character sets of custom characters and graphics  
can be designed and transferred to an OKI 20. The utility  
software "OKI D.L.C.G." allows for easy design of custom  
char. sets and "OKI D.L.P.G." can transform a portion of a  
SCREENS picture into a downline loadable character set.

OKIMATE 20 EXPENSIVE? No, the OKI 20  
& Plug 'n Print cart. are widely available for about \$180.

For a print sample, info. on 2068 software for the OKI 20,  
and a list of OKI 20 dealers/prices, send a LSASE to:

John McMichael  
1710 Palmer Dr.  
Laramie, WY 82070

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Send LSASE for additional information and order form to:  
JOHN McMICHAEL, 1710 PALMER DR., LARAMIE, WY 82070

# The Sinclair Milwaukee Users Group (SMUG)

We are a not-for-profit group devoted to serving the interests of those who own, use, and/or are interested in the Timex/Sinclair family of computers.

Editor and contact person is:  
Bill Heberlein (414) 527 2191.

SMUG maintains a gratis exchange of newsletters with approximately 30 Users Groups across the U.S. and Canada. Clubs not sending newsletters for more than 6 months are removed from our mailing list.

Newsletter subscription is available for only \$10 per year to non members or free with a club membership. A club membership is \$20 per year for a family membership.

Advertising cost for 1/2 page ad running for six months is \$10. The ad copy may be changed each month but you must supply the copy.

SMUG BYTES  
5052 N. 91st Street  
Milwaukee WI 53225  
Address Correction Requested

FIRST CLASS MAIL



The next meeting of SMUG will be held on:  
Wednesday, April 7, 1990

6pm Set Up  
6:30 View Of Design & T-Shirts  
7:30 Business Meeting  
8:30 Update of Fest Committee  
8:45 Whatever else you would like  
10:30 Clean Up

Location:  
Equitable Savings and Loan,  
145th and Capital Drive,  
Milwaukee Wisconsin